

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT6289791

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MIN-JER WANG	07/21/2015
CHING-NEN PENG	07/21/2015
CHEWN-PU JOU	07/21/2015
HAO CHEN	07/21/2015
HUNG-CHIH LIN	07/21/2015
HUAN-NENG CHEN	07/21/2015
KUANG-KAI YEN	08/12/2015
MING-CHIEH LIU	07/31/2015
TSUNG-HSIUNG LEE	07/28/2015
FENG WEI KUO	07/21/2015

RECEIVING PARTY DATA

Name:	TAIWAN SEMICONDUCTOR MANUFACTURING COMPANY, LTD.
Street Address:	NO. 8, LI-HSIN RD, VI
Internal Address:	HSINCHU SCIENCE PARK
City:	HSINCHU
State/Country:	TAIWAN
Postal Code:	300

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17015602

CORRESPONDENCE DATA**Fax Number:** (214)200-0853*Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.***Phone:** 214-651-5000**Email:** IPDOCKETING@HAYNESBOONE.COM**Correspondent Name:** HAYNES AND BOONE, LLP**Address Line 1:** 2323 VICTORY AVENUE**Address Line 2:** SUITE 700**Address Line 4:** DALLAS, TEXAS 75219

PATENT

ATTORNEY DOCKET NUMBER:	2012-0398/24061.3292US05
NAME OF SUBMITTER:	EFFEI DAH
SIGNATURE:	/Efei Dah/
DATE SIGNED:	09/09/2020

Total Attachments: 6

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source=P20123098US04_24061_3292US05_Assignment#page6.tif

Docket No. T5057-1104A
P20120398US01

ASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

- 1) Min-Jer WANG
- 2) Ching-Nen PENG
- 3) Chown-Pu JOU
- 4) Fang Wei KUO
- 5) Hao CHEN
- 6) Hung-Chih LIN
- 7) Huan-Neng CHEN
- 8) Kuang-Kai YEN
- 9) Ming-Chieh LIU
- 10) Tsung-Hsiung LEE

who has made a certain new and useful invention, hereby sells, assigns and transfers unto TAIWAN SEMICONDUCTOR MANUFACTURING COMPANY, LTD., having a place of business at No. 8, Li-Hsin Rd., YL Hsinchu Science Park, Hsinchu 300, Taiwan R.O.C.

its successors and assigns (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled

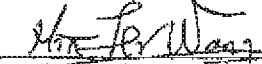
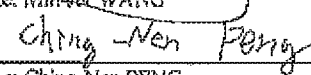

COMPOSITE INTEGRATED CIRCUITS AND METHODS FOR WIRELESS INTERACTIONS THEREWITH

- (a) for which an application for United States Letters Patent was filed on 2015-07-20, and identified by United States Patent Application No. 14/804,319; or
- (b) for which an application for United States Letters Patent was executed on _____,

and the undersigned hereby authorizes and requests the United States Commissioner of Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefore and any and all extensions, divisions, reissues, continuations, or continuations-in-part thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agrees that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agrees to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the said ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

SIGNED on the date indicated aside my signature:

- 1) 
Name: Min-Jer WANG
- 2) 
Name: Ching-Nen PENG
- 3) 
Name: Chown-Pu JOU

- 2015.7.21
Date:
- 2015.7.21
Date:
- _____
Date:

Docket No. T5057-1104A
P20120398US01

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THEREWITH

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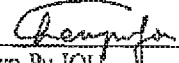
SIGNED on the date indicated aside my signature:

1) _____
Name: Min-Jer WANG

Date:

2) _____
Name: Ching-Nen PENG

Date:

3) 
Name: Chewn-Pu JOU

7/21/2015
Date:

PATENT
REEL: 036356 FRAME: 0387
PATENT
REEL: 053723 FRAME: 0899

4) Feng Wei KUO
Name: Feng Wei KUO

2015.07.21
Date:

5) _____
Name: Hao CHEN

Date:

6) _____
Name: Hung-Chih LIN

Date:

7) Huan-Neng Chen
Name: Huan-Neng CHEN

2015.07.21
Date:

8) _____
Name: Kuang-Kai YEN

Date:

9) _____
Name: Ming-Chieh LIU

Date:

10) _____
Name: Tsung-Hsiung LEE

Date:

4) _____
Name: Peng Wei KUO

Date:

5) Hao CHEN
Name: Hao CHEN

7.21, 2015
Date:

6) Hung-chih Lin
Name: Hung-Chih LIN

2015/7/21
Date:

7) _____
Name: Huan-Neng CHEN

Date:

8) _____
Name: Kuang-Kai YEN

Date:

9) _____
Name: Ming-Chieh LIU

Date:

10) _____
Name: Tsung-Hsiung LEE

Date:

4) _____
Name: Feng Wei KUO

Date:

5) _____
Name: Hao CHEN

Date:

6) _____
Name: Hung-Chih LIN

Date:

7) _____
Name: Huan-Neng CHEN

Date:

✓ 8) Kuang-Kai Yen
Name: Kuang-Kai YEN

✓ 2015.08.12
Date:

9) _____
Name: Ming-Chieh LIU

Date:

10) Tsung-Hsiung Lee
Name: Tsung-Hsiung LEE

2015.7.28 ✓
Date:

4) _____
Name: Feng Wei KUO

Date:

5) _____
Name: Hao CHEN

Date:

6) _____
Name: Hung-Chih LIN

Date:

7) _____
Name: Huan-Neng CHEN

Date:

8) _____
Name: Kuang-Kai YEN

Date:

9) *Ming-Chih LIU* ✓
Name: Ming-Chih LIU

2015/07/31 ✓
Date:

10) _____
Name: Tsung-Hsiung LEE

Date: